

## ABSTRACT

A method for forming artificial rocks that possess suitable weight and strength and that allows for the formation of artificial rocks with large undercuts is provided. The method consists of creating an outer mold of a natural rock, then using the mold to create a test  
5 artificial rock. The test rock is then structurally tested. Structural reinforcement members are added to the interior of a second test rock to structurally strengthen the test rock until a suitable test rock is created. The suitable test rock is then used to create an inner shell conforming to the inside surface of the test rock. Production rocks are created by molding a cementitious material between the outer mold and the inner shell. Additionally, a stand  
10 suitable for holding the artificial rock in a stable position during manufacture and that allows for the easy release of an artificial rock after formation is provided.